(Sect 7. Instinct) which will stand best.

freed from ~~habit~~ restraint. On the other hand,
habit alone in rare cases has sufficed:
no animal is more difficult to tame than the grey of the
wild rabbit, scarcely any animal is tamer than the tame
of the tame rabbit; yet I do not suppose that
domestic ever has been selected for tameness; & I presume
rabbit
that must allow but to the of this
the ~~rabbits~~ from ~~them~~ wild stock tame
~~rabbits~~ changed habit & instinct
habit to

confinement.

Natural instincts are not ~~lost~~ under domestication;
~~Instincts~~
a remarkable instance of this is seen in
the breed of fowls, which most rarely or never
"broody" or wish to sit on their eggs.
become
familiarity alone prevents us seeing how
universally & largely the minds of our ~~domestic~~ animals
~~have~~ been ~~modified~~ by domestication. It is scarcely possible to
how become
doubt that the voice of man has become
instinctively
~~changed in the respect~~ understood by the dog. so with horses, sheep, & pigs
~~all the species of dogs have~~ all
~~kept~~ kept ~~partly~~ tame, can most
the cattle ~~family~~, when
easily be induced to attack a sheep & pig; & this
~~instinctively~~ will
tendency has been found in wolves, foxes, jackalls & all species of dogs,
which has been
shewn: brought on by
~~the~~ savages that do not keep domestic
animals.

(or then of Tierra del Fuego & Australia)

150

This is a sheet of the M.S., in my father's handwriting, of the Origin of Species. The passage is from Chapter VII, p 264 of 5th edn. 1869

Given to Isobel E. Dodds ~~Withers~~ June May 1902

Henrietta Litchfield

Charles Darwin. geb. 1809. berühmter Naturforscher. Hauptwerk: Selection & Origin

14a

June 6th.

Down,
Beckenham, Kent.

Dear Sir

Permit me to trouble you with a few lines to thank you for your kindness in having sent me various interesting publications; especially the memoir on Glenroy & the Parallel roads, & a second, received only a few days since, on the effects of the Wolds of

Charles Darwin, der grosse Naturforscher

Bird. I have been to see
particularly glad, this
latter memoir, & have
seldom been more
interested than by your
statement that there particularly
appear early in life in
these species in which
both sexes are thus fur-
= nished, & late in life
in those in which the

Make also perhaps them.

This is a parallel case

to that given by me

in descent of man

about to known of the

Rein-Deer; & I believe

that to fact has a

very important bearing

on the acquisition of

sexual characters.

It has pleased me much

to hear that you

admit to a considerable

extent to influence of

beyond selection.

but much respect to

my best thanks, I

remain, Dear Sir

Yours faithfully

Ch. Darwin

DSI

Darwin

My dear Sir

As you told me that
Mr Adams in Surry
had Lancaster Sound,
with you and his, shells
he with Do me to
real Jaws to check
for me ag cirripedes
flooting a first from M.
latitudes, man Mig Celebes.
Can must be taken
to bases of to Spirula
cirripedes. —
with you also ask

hms. Adventure " Cape

Rivers " Voyage

Jamaica.

Jamaica 21st Sept

1836.

My dear Sir

C. Darwin

" Journal of natural History
Voyage of Beagle "

hu

A. White Esq

Adam. White (1817-79)
Zool. Dept. Brit Mus

DSI

To Robert Mallet

28 Aug 46

Down Farnborough Kent

Aug. 26th 1846

Sir

I take the liberty of writing to thank you for your most obliging present of the Dynamics of Earthquakes, & for the much too honourable mention you make of my name. — I have read your Memoir with the greatest interest & it has much cleared my ideas, though undoubtedly of the kind which even be of difficult comprehension to non-mathematical heads. —

During writing the first Edition of my Journal

I consulted Mr Whewell & soon
perceived how difficult a subject
that of waves
it was. In the Ch. Library Edit,
I condensed what I had said, & how
heavily with I had said nothing
for I fell at the time that
I was out of my depths.

I beg to send you a paper
of mine, which perhaps you
may never seen & beg to
receive with your reading:
my chief object in writing it
was to show the intimate
connection & indeed identity
of the forces, which form

fruth lava & elevate continents:
this to my mind is an important
conclusion. — At p. 821. you will
see an indirect argument
against Earthquakes being
undulations in an underlying
fluid base & in favour (of which
from memoir will have afair
view to the doubtful) of them
being a vibration or oscillation in
the solid crust. —
Have you seen M^rs. Rogers y
Jr.. American paper on earthquakes,
They posit the doctrine of
fluid undulations to a mountain
chain, & if I might take the
liberty to suggest, it would be

afraid to lend a copy of
Jos Henri t them ; for fy an
excellent sculpt.

How wonderfully interesting it would
be, if Jos could hear from
Austin Henri wanted in Chile ; in
Lima, Then Mexico or in a Mohawk
Mr Thacker with a story to tell for
Natural History & earthquakes in
Republic Then.

I have some intention of being at
Southampton & I trust Jos will
allow me t introduce myself
to you. both by sincere thanks
I beg t remain dear Sir
Yr hon often ob =
= cause t turn that from faithfully
a faithful record of C. Darwin
earthquakes in Chile,
and perhaps allied causes results from
coincidence with the moon & state
of tides.

DARWIN C. AL S 11173

27"

175

Down Bromley Kent

Sun Letter with

Mr Brewer.

My dear Lubbock.

Many thanks for sun note.

I hope & expect to be

with Emily on Friday &

stay sun. I presume 7°

or lower with be to back

home for sun. — If I is?

be bad, I would send

a Lomas on Friday afternoon

I cannot say much for

certain if for the hare

hard & Emily Influenza

Ever yr loving

C. Darwin

DSI

Darwin

R. Hutton Esq
Office of Spectator
1. Wellington St
Strand
London

Private

ISD

Scientific Farm April 21/57

(Letter 61

Lepus sylvaticus in Utah & known in

India —

Does not belong to Hybrid corax & Hooperi

a common one for Utah as — but

in fact rather Nuttallus.

Hybrid Corax corax Blyth Bird Calcutta

h. 51 — C. Indica eq common

& C. affinis each in the area

country & specimens, Utah in Bengal

when to 2 hundred miles. for fact the

intermediate form — one 2nd day Calcutta

two. but the Utah exper. — the 2

Hpecies one as good — C. Jamaicensis

Calcutta has copied with Bengal cat

accuracy & Fairness — Velocity! eq

with 7. visibly pale at extremities. —

Egg But smaller cat with the coffee

affinis with- chaos — with 7 chaos

Lida W. Everett — 7 epithelium of Europe

(Letter No. 10)

I have Indexed all the
Letters — index in the
Bundle. — all about
Hybrids used —

Pray accept my thanks for your

kind present of your

Papers.—

Ever. Jun. 7th.

C. Darwin

DSI

POST CARD

THE ADDRESS ONLY TO BE WRITTEN ON THIS SIDE.

HALFPE

To

Hilder Jr. Westropp Esq
9 Villa
Ventnor
Isle of Wight

C. Darwin Esq

J. J. Bowbank Esq

3. Highbury Grove

Islington

London

ISD

Down Bromley Kent

March 29th

1859

My dear Sir

I am very sorry to

trouble you, but I wish

a line to say that I

have not received each with

Sir 2-2-0 for Edward.

Son.[2] for years. 1858 & 1859

My dear Sir

Yours truly obliged

C. Darwin

DSI

Original draft of th description
of th Sundew in Charles Darwin's
"Insectiverous Plants."

(handwriting of Edmund Gosse)
English author

DSI

Dr. J. Popper

Apollogasse 6.

Vienna

DSI

NEUBAU
18
WIEN

Feb 15. 1881

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

Dear Sir

I am sorry to say that it is impossible for me to give you the least aid, as I have attached to my machine which I call Instantaneous it would be impossible to train birds to fly in certain directions in a body, that I am aware that I have taught in birds — Their mental powers are probably much below those of mammals. —

We are said, for the support

Tony, that we Eagles

who carry a lamb, to

the skies that we do

my best here for

a blue heiress. —

I cannot remember you

a flap with efficient

heiresses & make my

remarks on it. — When a

Mrs is ill & works hard,

one subject drives them

out of his head. —

I hope I read what you

say about Mr Bridgman.

I mean

Dear Sir

Your faith. ful

C. L. Darwin

DSI

Aug 24th

Down.
Bromley.
Kent. S.E.

My dear Fox

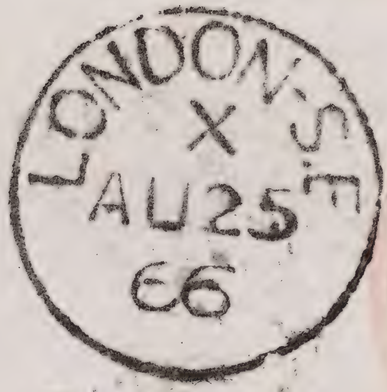
It is always a pleasure
to me to hear from yr. & think
yr., patriarch as yr are with
your countless children & grand-
children. I feel a sure dwarf
by your side, my own chil-
dren are all well & two of my
boys are travelling in Norway.
Poor Susan is in a terrible
suffering state & I fear there

is no hope for her except the
one last hope for all.
We expect Caroline here with
her three girls on Monday &
I will give her your kind
enquiries. As for myself
my health is very decidedly
better though I am not very
strong. I attribute my improve-
ment partly to Bence Jones's
diet & partly, wonderful to relate
to my riding my dog which
I enjoy much. I drink be-
lieve in your theory of mod-
erate mental work doing me
any harm - anyhow I can't
be idle. I am making rapid
progress with my book & con-
sulted journals which I
fear will be a big one & have
been laborious from the numer-
of references. I hope to begin
printing towards the close of
this year & then it is completed I will
forward you a copy.
As indeed I am bound to do

as I owe much information to
you. I should have begun print-
ing before this had I not lost
many three months by the
troublesome labour of largely
correcting a new edit. of the
Origin. I think I have
learnt of hybrid between the
Sphenx-moths which you mention;
I shall be surprised if the hy-
brids are fertile

Believe me, My dear Asa Gray
Yours affec.ly
Charles Darwin

DSI



Rev C. Darwin Fox

Delamere Rector

Northwich

1/12

ASHER & CO.
FOREIGN BOOKSELLERS
AND
PUBLISHERS.

13, Bedford Street, Covent Garden,
London, W.C. Nov 28 1881

(Also at 5, Unter den Linden, Berlin.)

Dear Sir,

We beg to inform you that we have received in one of our cases from Germany, an enclosure directed to you, from

the Academy of Sciences

Vienna

the expenses upon which amount to

£ 0 . 4 . 0

Will you have the goodness to remit us the amount, either in stamps or by P.O.O., and the parcel will at once be forwarded to your address, free of all charges. P.O.O made payable at King Street, Covent Garden.

Your most obedient Servants,

Asher & Co.

Darwin Down

30/11/81

7

25

From Berkhamsted Herts

Nov. 29th 1881

Mr Darwin enclosing P.O. for 2s 6d in

return for which please send

to M. Ashton to

the parcel addressed to

C. Darwin

Orpington St

S.E. By

L. R. Ashton

DSi

Dec 3rd 1881

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

My dear Pasfet

I was so much pleased to see your hand-writing, for I fear for what I had read in the newspaper that you were very ill. It was my kind of you under present circumstances to write me a few lines & pleasing a note. I am going to London for a few days in 7 or 10 days time; but I must before to answer this letter which I had intended

Dear Mr. Jones,

Please excuse my typing as I am just learning. I have just had an article on Vivisection, & it has quite delighted me & my wife. I am boiling over with indignation. — Good

Heaven will [illegible] a contrast
will [illegible] in [illegible]
article compared with
yours! — I have not
had time [illegible] Dr Wilks'
article. —
Most heartily do I hope
that [illegible] may be soon
good & I remain
my dear Father
Ever very sincerely
Charles Darwin

DSI

Jan. 18.

Down,
Beckenham, Kent.

My dear Papa

Very many thanks for your note. Mr. Wedgwood received yesterday a telegram that is on Tuesday a telegram to say which has called up a fair visit recollection of a gentleman (Mr. F. Galton) with whom I used to be very short, & who had a very much a good character —

I must look to a Jack. Farewell

Yr. affecy

Ch. Darwin

DS

P.S. Do you know any
Botanist who studies
living plants. I much
want to know whether the
species of Eucalyptus in
"Dichogamous," i.e. whether
the can flower the
male & female organs
are mature at the same
time or day. — If Bees
visit flowers after the pollen is
shed a short while, this
will almost ensure the flowers
in dichogamous — I am
told & could write. —

C. D. 1874-1876

150

London May Twenty Four 1836

Major Frank

Hon Ola D. Stuart

10 Antrim Place

Edinburgh

1817

Dunbeld September Fourteen

Lucius Chipman Hamilton

Fanny Hamilton

John Stuart - Murray 6th Bart of Ochtertyre 1751-1830 (Lucius' 2nd father in Law) & Eliz Murray 1785, + Barbara Oliphant

dk £
20-0

(21)

BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

My dear Sir

I must write a line to thank you for your kind note. — I had great pleasure about Chatin, & I much wish that I had the Memoir on article; but it is now too late. I assumed that Chatin was quite trustworthy.

Yours very truly
Ch. Darwin

DSI

Extract from ~~Copy of~~ Letter from C. Darwin to R. Chambers 11 Sept 1845

"I hope you will read the first part of my paper before you go (to Glen Roy) & attend to the manner in wh the lines end in Glen Collarig. I wish Mr Milne had read it more carefully. He misunderstands me in several respects, but suppose it is my own fault, for my Paper is most tediously written. Mr Milne flatters me very pleasantly & I plead guilty to his rebuke about "demonstration". I do not know what you will think: but Mr Milne will think me as obstinate as a Pig, when I say, that I think any Barrier of Detrites at the mouths of Glen Roy, Collarig & Glastig more utterly impossible than words can express. I abide by all that I have written on that head — Conceive such a heap of detrites had been removed, without great projections being left on each side, in the very close proximity to every little delta preserved on the lines of the shelves, even on the Shelf & wh now crosses with uniform Breadth, the spot where the Barrier with the Shelves dying gradually out &c
stood? To my mind it is monstrous. Oddly enough, Mr Milne's description of the mouth of Loch Treig (I do not believe that valley has been well exam^d in its upper end) leaves hardly a doubt that a Glacier descended from it, & if the Roads were formed by a Lake of any kind, I believe it must have been an Ice Lake. I have given in detail to Lyell my several reasons for not thinking Ice-Cakes probable; but to my mind, they are incomparably more probable than detrites of rock barriers. Have you ever attended to Glacier action? after having seen N. Wales, I can no more doubt the former existence of gigantic glaciers, than I can the Sun in the Heaven. I could distinguish in N. Wales to a certain extent Icebergs from Glacier Action — (Lyell has shown that Icebergs at the present day score rocks) & I suspect that in Lochaber the two actions are united, & that the scored rock on the water sheds, when tideways, were rubbed & bumped by half stranded Icebergs. You will no doubt attend to Glen Glastig. Mr Milne I think does not mention, whether Shelf & enters it, wh I sh like to know; & especially he does not state, whether knobs worn, on their upper faces, are found on the whole 2½ vertical course of this Glen, down to near L. Laggan or whether only in the upper part: — nor does he state whether these rocks are scored, or polished, or moutonnées, or whether there are any perched Boulders there or elsewhere. I suspect it will be difficult to distinguish between a Rivers Bed & Tidal channel. Mr Milne's description of the Pass of Mukkul expanding to a width of several hundred yards 21 feet deep, in the shoalest part, & with a worn Islet in the middle

sounds to me much more like a tidal channel than a River Bed.
Near mouth I have been in the Cutter since plenty of fresh water
in those days. With respect to the coincidence of the shales with
the new watersheds, Mr Miller only gives half of my explanation
Please read p 65 of my paper. I allude only to the head of Glen
Roy & Kilfinnan as silted up. I did not know Mukhul Pass &
Glen Spey was so much covered up, that I did not search it well
as I was not able to walk very well. It has been an old conjectural
belief of mine, that a rising surface, becomes stationary, not suddenly
but by the movement becoming very slow. Now this would greatly
aid the tidal currents cutting down the passes between the moun-
tains just before & to the level of the stationary periods. The current
in the fiords in S. del Fuego in a narrow crooked part are often
most violent; in other parts they seem to silt up

Shall you do any levelling? I believe all the levelling has
been in Glen Roy, nearly parallel to the Great Glen of Scotl? For
inequalities of elevation, the valley of the Spean, at right angles to the
apparent axes of elevation, w^d be the one to examine. If you go
to the head of Glen Roy, attend to the old Shelf above the
highest one in Glen Roy, lying on the South side of Loch Spey, &
thereby beyond the Water shed of Glen Roy. It would be a crucial
case. I was too unwell th on that day, to examine it carefully, &
I had no levelling Instrument. Do those fragments coincide in
level with Glen Spey Shelf?

Macculloch talks of one in Glen Turret above the Shelf. I c^d
not see it. There would be important discoveries. But I will
write no more, & pray y^r forgiveness for this long ill written out-
pouring. I am very glad you took to y^r subject of the terraces.
I have lately observed, that you have one great authority (C.
Prevost) that authority signifies a Getting) on y^r side respecting
y^e heretical & damnable doctrine of the ocean falling. You
see I am orthodox to the burning pitch.

05

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

Mr Charles

July 10th

1875

My dear Sir

I thank you cordially

for your excellent review, &

which did away for you

in high honour the Com

& has given me much

satisfaction, — also to many

I was quite shocked by

& struck with the subject,

to that I had to take

a month' complete rest

away from home. — May

thanks, also, for the gun barrels

about to Sorrento. I

take them to Italy in

1875, and it had in 1867.

If you get any important

information, perhaps you will

send it to Chronicle

& then I shall see it. —

I return to Strada.

I enclose a note (which

please burn, & in replying

to answer from your

what a curious point (i.e.

if it is not a cork as

both float) — which might

despite the wrote you

what to remarks,

Believe me

you very obliged

Ch. Darwin

Nov. 3d 1870

Down.
~~Bromley~~.
Kent. S.E.

Bexleyheath

My dear Mr. Caffyles

A servant shall be at Knipp's
Cafe on Tuesday 8th at 9
A.M. ready to receive the
specimens animals. in the
three tables in one
cage & five in another cage & the
left hind foot of a black
bear & a table of the
bones &
bring home &c &c.
C. Darwin
Queen's
so please
called for". - the an
(all

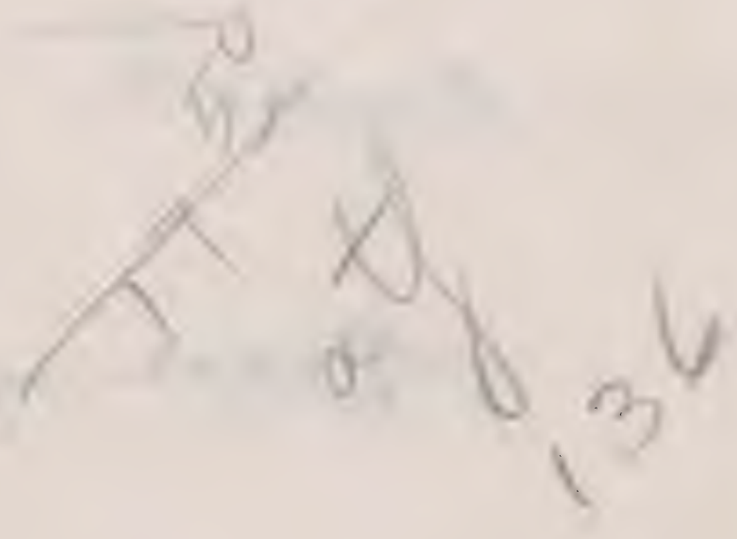
My dear Hooker

I should feel a fool
if you
were not clear with
me
which
to
to keep
to
to tell.

You have been most kind
to
to
to

I to hope with
returning? & will you
not let me pay for it?

I think about to Peck: I
count but suspect the
Ernie i thought Seneca
is an ally of to Peck &
her after been said in
good authority to
Hampshire. but if
on
failed from it being
Ernie in this case,
it was an abnormality



DSI

Pham

Mr Darwin

Rec'd Nov 5/70

F. Cupples Esq

The Cottage

Grand Bridge

Fisherton

N. B.

BECKENHAM
D
NO 5
70

D13

ANDREWS
NOV 5
70

BOWN
NOV 3

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

March 20.

Dear Sir

Your suggestion is a very good one, & should there ever be a new Edition I will consider its adoption.

Dear Sir

Yours faithfully

Ch. Darwin

To W. Pycroft Esq - With portrait

3/-

DSI

1871

Sept. 13th

Down,
Beckenham, Kent.

My dear Busk

I thank you heartily for your letter, which together with your Catalogue of the Mus. I think, also the information which I require. I will write a few days & I will write again & I will then say, & I will then ask you another question, for I suspect that in this place as you have written word

Kilmarnock, for circulation. — As

I shall be very

happy to move this

Lecture, if I receive it, I

daresay you will allow me

to see it to you, as

I shall be there certain

ly to represent you. —

with which thanks

from my wife

Ch. Darwin

DSI

Oct 2nd 1880

Darwin

My dear Sir

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

I have just heard from Mr Murray that the actual cost of 1 of 195 work sent to Mr Murray [illegible] it is my intention to have it circulated among those who I think may [illegible] this price 10s 6d and you will receive a French Translation. — As soon as

You have received, by mistake,
a letter addressed to Mr. Murray, Albemarle
Street, which I have opened
supposing it was addressed
to me. Will you therefore
oblige me by sending it
to Mr Murray
as soon as possible.

Yours faithfully
Ch. Darwin

P.S.

I sent Mrs. Barker 10£. &
I am very much pleased to see
Hunt's letter is out of print. →

ISO

Mar 12 1882

DOWN,
BECKENHAM, KENT.
~~RAILWAY STATION~~
~~ORPINGTON. S.E.R.~~

Dear Sir

Pray accept my thanks
for your courteous letter &
for your kindness in promising
to send me your pamphlet.
It will be a pleasure to me to
accept the honour which you
do propose to do me in dedicating
your essay to me

With many thanks
Dear Sir
Yours faithfully

Charles Darwin

21/-

ISO

Darwin! (1878)

Charles Darwin

Down, Kent

June 6th. 1873

Lett to Mr. Sandbach

Emphatic yes!

DSI

Charles Darwin.

Charles Darwin

Sept. 4th 1875

Down, Kent

ISO

Charles Darwin

May 3rd 1876.

DSI

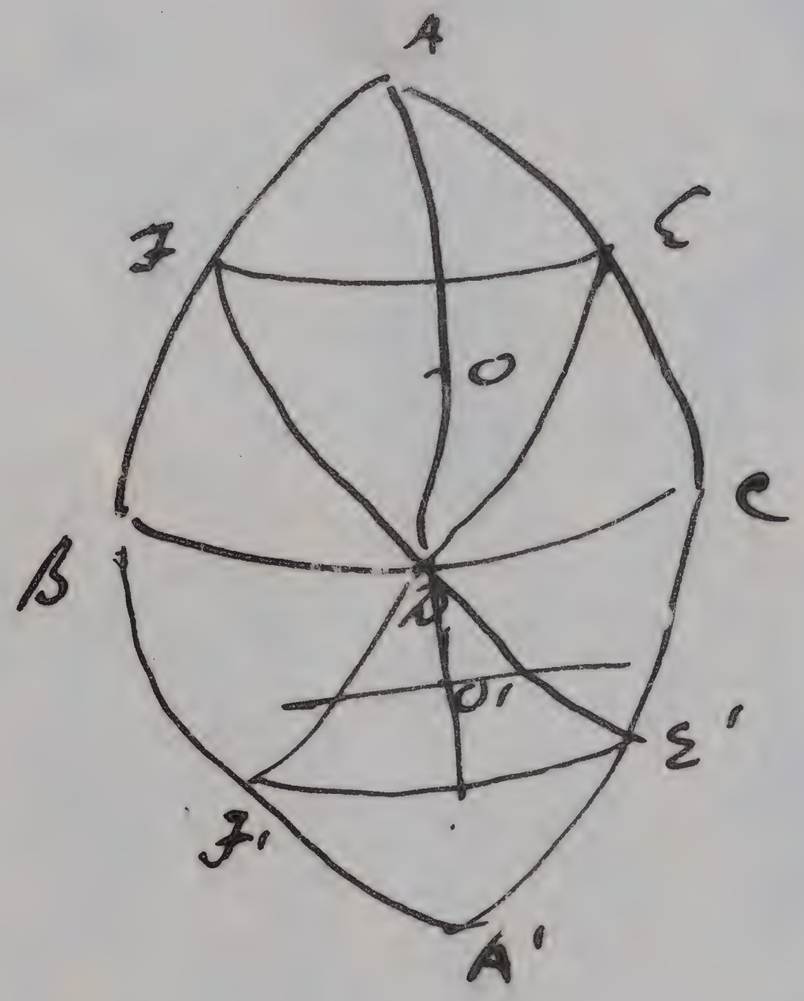
Central triangle of equatorial sub-triangle

$\hat{AD} = 58°17'$

$AO = 37°23'$

$\therefore DO = 20°54$

$\therefore AO' = \begin{array}{r} 58°17' \\ 20\ 54 \\ \hline 79°11' \end{array}$



Direction of polar axis is

$-\sin 79°11', 0, \cos 79°11'$

$\frac{y}{r} = \cos$ cone $\cot \alpha$

$(-x \sin) 79° + (z - \cos 20°54') \cos 79°11' = (x^2 + y^2 + z^2) \sin^2 \alpha$

$x^2(\sin^2 79 - \sin^2 \alpha) + 2x \sin 79 \cos 79° \cos 20° - y^2 \sin^2 \alpha + \cos^2 79°11' \cos^2 20°54' = 0$

$\left(x + \frac{\sin 79 \cos 79 \cos 20}{\sin^2 79 - \sin^2 \alpha}\right)^2 (\sin^2 79 - \sin^2 \alpha) - y^2 \sin^2 \alpha = \frac{\sin^2 \alpha \cos^2 79 \cos^2 20}{\sin^2 79 - \sin^2 \alpha}$

[The upper surface of the leaf is covered with minute glands of a reddish colour, the tips of which glands, as far towards the midrib as the leaf is green, are filled with purple fluid; the upper surface of the leaf is also covered with minute glands, each consisting of a short stalk, and a roundish head, which secrete a drop of sticky fluid. These glands are found on the upper surface of the leaf besides other glands of ordinary shape, which secrete nectar, and which are placed at the base of the midrib, and at the junction of the principal veins. The upper surface of the leaf is also provided with numerous stinging hairs, which secrete an acrid fluid, which, when touched, causes a painful sensation, which may last for several hours.]

show how slowly they have been accumulated. Let
him remember Hall's profound remark that to
thickness of strata of sedimentary formation
are to result of measure of degradation
which the earth's crust has undergone, and
find what an amount of degradation is
implied by the sedimentary deposits of any
country! Prof. Ramsay has given us the maximum
thickness, scarcely for actual measurement, in a few cases in Great Britain; of
which is the result,

	Feet
Palæozoic strata	57,154
(not including igneous beds)	
Secondary strata	13,190
Tertiary strata	2,240
Making altogether	72,584 feet; that is very

nearly thirteen miles. Britain miles.
On the continent these formations, are
in England, thousands of feet in thickness,
which are proof separated in England.

COLL. SHERBORN.

March 16 - 1880

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

Dear Sir

I must send you a few
thanks for thinking
to send me the
article on inheritance,
which is a subject
which always interests me.

Dear Sir

Yours faithfully & Obliged

C. L. Darwin

To W. Whitaker Esq

DSI

Down.
Bromley.
Kent. S.E.

March 11th 1858.

Dear Paget

I shd. be very glad to

insert in my Chapt. on

inheritance the following

sentence, as it comes in with

effect from other facts.

Do you object? And how I

quoted to facts accurately?

If I receive no answer I

will assume that it is

accurate, & that I have

your permission. —

" Many persons, as I hear
" from the Papers, have two
" or three hairs in their
" Eye-brows (apparently corresponding
" with the eyebrows of the
" lower animals) much
" longer than the others;
" I have therefore thought it
" peculiar in this respect
" in families. —

I wish I could hear I may

can of unlimited speculation

in Eye-Canker. —

Pray believe me

Dear Sir

Yours truly

Ch. Darwin

DSI

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

Sep. 22. 1876

Dear Sir

I am much obliged for your kind letter, & for sending me that of Prof. Wagner, together with his Essays — I have written to thank him —

I am at present much overworked & out of health; therefore I shall not read the essays for some time, & when I do I will write to him. Under these circumstances I will not ask you

to take the trouble of coming

to see me.

I beg leave to remain

dear Sir

yours faithfully

Charles Darwin

DSI

Darwin (2)

Oct 28th 1875

Down Bromley Kent

My dear Hooker

I have to thank you for several printed notices about the Potatoes to me — What a fascinating interesting subject it is: I have just returned home & have looked over my potatoes & found to my surprise small a good many having rotted in the ground, but on the whole not well. — I am digging some today in the poorest soil & store with the greatest care in baskets my seed-potatoes. — I think it

an experiment (& on which I have also my chief to arrange allotments for every letter) & then I went & saw Forbes & visited the Dean of Manchester, & had some talk. — I then visited Mr Waterton at Walton Hall, & was exceedingly amused with my visit, & with the man; he is the strangest mixture of extreme kindness, harshness & bigotry, the most I ever saw. — I really I visited Chatsworth, with which I

a very good suggestion of yours,
about sanitepolk not buying potatoes
I will follow it for one
the poor people, whenever I have
been, seem to be in great
alarm: & labourers here has
not above a few weeks employment
& then not round; as he explains
to me, it is a dreadful
addition to the evil, from
buying as dear: sometime ago this
same man told me, that when
flour rose, his family consumed
15d pence worth of his 12s earnings
per week in this one article.
This would be nearly a bad as
if for one of us we had to
pay an additional 50 or 100£ for
our bread: how soon in that
case, would these diseases
corn laws be swept away.
At Shrewsbury we buy the
potato flour; by very curious
form the starch separates;
it really is quite a pretty
experiment.
I have
been taking a little turf,
planing to see a farm, which
I have purchased in Hertfordshire

was like a child, transported
with delight. — How can you
ever draw it? Ready the
finest Hot house, & especially
the water part, is more
wonderfully like Tropical
nature, than I could have
conceived possible. — But
beats nature altogether there.
I have been most anxious
just at Hookers Dis-
patch at Edinburgh:
I cannot but think he
will make a great

Bstow ; ill in Dinah

what a story of general

account knowledge. he explain

t how on the duck

subjects, on scrupulous large

d on. — Ha on

the finishing here, with

t exception of by wonderful

stomach. — I hope Mr.

Hemslow in better: pay remember

him my kind I to her.

Yours my dear Hemslow

yours truly

C. Darwin

DSI

163

DARWIN

A. L. S.- "FEELING VERY OLD
WITH FAILING STRENGTH" ETC.

1881

MSS 405 A
RB NMAH

Jan 2 1881.

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

My dear Sir

I thank you for the Photograph
& you kind New Year wishes,
& hearty return.
your pamphlet
+ I am well
pleased to see
As for myself
well, but feel my
failing strength.
dear Sir
very truly
C. Darwin

Dr. Krukenberg
22. Lauderdale Road
London

Jan 22 1881.

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

My dear Sir

I thank you for the Photograph
& your kind wish to see Wickham
& hearing them.
your handwriting
& I am with
your sincere thanks
— As for myself
well, but feel my
failing strength.
— dear Sir
Yours truly
C. Darwin

N. S. W.

Kindness thy
22. London Road
Sydney

Mr

Jan 2nd 1881.

DOWN,
BECKENHAM, KENT.
RAILWAY STATION
ORPINGTON. S.E.R.

My dear Sir

I thank you for the Photograph of your kind new year wishes, which I very heartily return. I hope that your circulation affair proves, & I am sure that you deserve that it will prosper. — As for myself I am going well, but feel very old & failing strength.

My dear Sir
Yours sincerely
C. Darwin

DSI

Inner spine lining of Darwin's 'Origin of Species" 1859

of Guernsey, from whom I have no orders, and cannot
receive the Bible under your Guarantee, but shall
[illegible] of the same objection to any
[illegible] it an address from Guernsey — As soon as

8 Pages handwritten

4

Down Bromley Kent

March 21st '60

My dear Thwaites,

I thank you very sincerely for your letter and am much pleased that you go a little way with me. You will think it presumptious, but I am well convinced from my own mental experience that if you keep the subject at all before your mind, you will ultimately go further. The present vol: is more abstract, and there are great ~~deficiences~~ omissions, one main one, which I have rectified in the foreign editions in an explanation, (which has satisfied Lyell ~~Hooker~~?? who made some objection with you), why many forms do not progress or advance (and I quite agree about some retrograding). I have also a discussion on beauty - but do you really suppose the primitive Diat------ were created beautiful that man after millions of generations should admire them through the microscope ?

I should attribute such structures to quite unknown laws of growth: and mere repetition of parts is to my eye one main element of beauty. When any structure is of use (and I can show what curiously minute particulars are often of highest use) I can see with my prejudiced eyes no limit to the perfection of the co-adaptation, which could be effected by natural selection. I rather doubt whether you see how far, as it seems to me, the argument for Homology and Embryology may be carried. I do not look at this as mere analogy. I would as soon believe that fossil shells were mere mockeries of real shells as that the same bones in foot of dog, wing ofbat or the similar embryo of mammals and birds, had not a direct signification, and this signification can be unity of descent or nothing. But I venture to repeat how much pleased I am that you go some little way with me. I find a number of naturalists do the same, and as these halting planes are various and I must think arbitrary, I believe they will all go further. As for changing at once ones opinion, I would not value the opinion of a man whoh could do so, it must be a slow process.

Thank you for telling me about the Lantana: and I should at any time be most grateful for any information which you think would be of use to me. - I hopethat you will publish a list of all naturalised plants in Ceylon, as far as known, carefully distinguishing those confirmed to cultivated soils alone. I feel sure that this most important subject has been greatly neglected ?

With hearty thanks for your letter,

Believe me,

Yours very sincerely,

CHARLES DARWIN.

850.

DSI

P.S. Do you know any Botanist who observes <u>living</u> plants.
I much want to know whether the species of Eucalyptus are "dichogamous", i. e. whether in the same flower the male & female organs are mature at the same time or day. The Bees visit flowers after the pollen is quite or almost quite shed, this almost show that the flowers are dichogamous.
I am tired and cannot write.

C.D.

DSI

C O P Y

Nov. 3d (1870)

Beckenham

My dear Mr. Cupples

A servant shall be at King's Cross on Tuesday 8th at 9 A. M. ready to receive the previous animal. He shall then take him to some inn & give him water & let him loosefor a short time in a stable, & then bring him here at once. So pleas[illegible] direct C. Darwin "to be called for". - We are all infinitely obliged for this valuable present & for your most clear instructions which we will endeavor to keep to the letter. You have been most kind to take so much trouble in giving us such full particulars.

With many thanks

Yours sincerely

Ch. Darwin

Is the ~~horse~~ worth returning? or will you not let me pay for it? Thanks about the Porch: I cannot but [illegible] though [illegible] is an ally of the Porch & has often been said on good authority to be an [illegible] but Dr. Gulliver does not believe even in this case, except as an abnormality-

Autograph letter signed, three pages.

DSI

My Dear Sir:

I thank you cordially for your excellent review, and which as coming from you is highly honorable to me and has given me much satisfaction - all the more as I was quite knocked up and worried with the subject, so that I had to take a month's complete rest away from home. Many thanks also, for your trouble about the gooseberry. The case seems to stand in 1875 as it did in 1867. If you get any important information, perhaps you will insert it in the Chronicle and then I shall see it -------

I enclose a note (which please burn, as it requires no answer from you) about a minor point (i. e., if it is not a cock and bull story) which might possibly be worth your while to investigate.

Believe me,

ISO

Chas. Darwin

August 3 1839

ISO

125.

P.S. Is sun kiss my
Botanic Sir Arcana
Living Plant. I much
want to know whether it
plein of Eucalyptus in
"Pichogamous," i.e. whether
it can flower
male & female Organs
are matured at the same
time or beg. — If Bees
visit flowers after it has lain
quite a short time, this
is? almost their it flowers
in Pichogamous — I am
not a botanist.
C. D.

Charles Darwin - Postscript to a letter

PAUL C. RICHARDS - AUTOGRAPHS
233 HARVARD ST. SUITE 26
BROOKLINE, MASS. 02146

Down,
Beckenham, Kent.

Feb 1 1872

My dear Sir

You will remember that I proposed to write a letter to you, to be translated & prefaced to your edition of the origin. This seems to me highly desirable, & I now enclose it; but if you or Mr Renwald object to any part of it, or can suggest any improvement, please to inform

& return the letter, & I will try
to meet your wishes.

I have received 2 clean sheets
from the printers, beyond the 3
which I sent you the other day.
As I suppose you are in no
hurry, I will keep the 2 until
I receive more, which must be
shortly as I have corrected the
last proofs of the whole work.

I shall never make any further
alterations in the Origin, as I wish
to reserve what little strength remains
to me for new work. Consequently
I have had the sheets stereotyped;
but I do not suppose that
Mr. Reinwald would think
of stereotyping the type; & I
should be sorry that he should
do so until the first half of
the volume is corrected in
accordance with the 6th edition.

My dear Sir
yours sincerely

Ch. Darwin

DSI

M 27. [Jane Bailey Keele]

[Mr Clegg at Mrs Wedgwoods
Hartford
Northwich]

Dear Sir

Absence from home has prevented

my answering your letter & thanking

you for your interest for it. The

Election of a Member in a

Certain Kind does not

Kind of Thing

I did not think

Lady; for I watched a

large share - Field for my

Eyes, & was [illegible] by his

Bees & walk — the

also

opinion expressed

Men of the Cast of the Electors.

Wednesday

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

Bee Keeper. . — [illegible] [illegible]

[illegible] a [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible]

I Sanford, & that we
visited I Chamberlain of Ben,
when the we cut the
morning, & Ben came t
t Clara & told me
it I needed with the
I t window flew & then
at t bottom of t heads.
so that if the flow on
market p the head-gate
I am with Ben the
I mo h naked. His
t
unto h & of wishing
like for for me, & I make
take t thanks of Sanford

DSI

Down.
Bromley.
Kent. S.E.

Dec 4

My dear Brook

I thank you sincerely for your most kind letter which I should have answered at once but I have been more unwell these several for the last few days.

I did not know before receiving your note that I was indebted to you for proposing me for the Copley medal. I have just been re-read Sabine's splendid

eulogiums on my work in

that History; I do not

know who helped him but

strongly suspect that I owe

a good deal of the praise

to you -

You will remember that

you were so kind as to

advise me a year & a half

ago about my incessant

sickness. I have got over

this, but still keep very

weak & fear I shall ever

remain so.

Believe me my dear Buck

with cordial thanks for

your Kindness

yours very sincerely

Ch. Darwin

P.S. I do not know whether

it is worth, but if I

have written to Sabine

to explain to Johnson

what his Encyclopaedia has

failed in, but I added

The D. of L. P. comes
here with a little
more detail about the
"Crispi" plot than
could say on what
he thought true; I
then added a few
sentences stating as far
as the truth of the
several principles of
the "Crispi" —

DSI

1860

Down Bromley Kent

March 21.

My dear Mr Thwaites

I thank you my sincerely

for your letter & am much

pleased that you so entirely

way with me. You will think

it presumptuous, but I am

well convinced from my own

mental experience, that if you

keep to subjects at the

bottom of your mind, you will

ultimately go further. The

present vol. is mere abstract

& then on great questions —

one main one, which I have

rejected in the foregoing editions
is an explanation (which has
satisfied Asa, Asa Gray and
Agassiz with whom I have
discussed the subject) by means
of Sexual Selection. I have
a chapter on N. S. discussing as
beauty — but do you really
suppose the Diatomaceæ were
created beautiful that
men after millions of
generations might admire them
through the microscope? —
I do attribute most of such

structures to unknown
laws of growth; & new repetitions
of parts is to me the
one main element of beauty.
When any structure is of
use (& I can show what
minute particles
are often of highest use)
I can see with my prejudices
eyes no limit to the
perfection of its adaptations
which could be effected
by natural selection —
I write but little as I see
~~that I have~~ ~~to know~~
but fear, as it seems to me,

a argument from Homology &
Embryology may be carried.
I do not look at this
as mere analogy. I
would on the contrary believe
the fossil shells were mere
mockeries of real shells, as
this to have been in
fact & wings of bat-
or to similar embryo &
manned & bird —— had
not a direct significa-
tion
& the significa-
tion
in unity of descent
can
nothing. But I
or

Twain 4

Venture to repeat how
much pleased I am this
you do with
way me. I
find a number of
naturalists do to name,
their halting places
I am various I must
am
think military, I believe
thy with all so
Frontier; a fine changing
one opinion;
I would not
at once
value the opinion of
a man who could do

so : it must be a

good proof. —

Thank you for telling me

about to Lantana ; I

shall at any time

be most grateful for

any information about

you think and be

glad to me. — I

hope that you will

publish a list of the

naturalised plants in

Ceylon, as far as known,

carefully distinguishing those

confined to cultivated

soils alone. I feel

sure that the most

important object has

been greatly understood.

With hearty thanks

for your letter

Believe me

yours very sincerely

C. Darwin

ISO